



# Memo

*Date:* April 28, 2017

*To:* Paul Zschack, Photon Science Division Director

*From:* Steve Hulbert, NEXT Project Manager

*Subject:* Acceptance of ISR Beamline by NSLS-II Facility Operations

Construction of the ISR beamline at 4-ID, one of five insertion device beamlines delivered by the NEXT Project, is complete and light has been delivered to its endstations. The milestones achieved during the transition from construction to operation for this beamline are provided below. Successful achievement of these milestones is evidence that the ISR beamline is ready for operational status in the NSLS-II Facility:

- ISR Photon Delivery System complete and ISR IRR complete (29-Jun-2016)
- Authorization from the NSLS-II Director to Start ISR Commissioning (7-Jul-2016)
- ISR First Light (11-Jul-2016)
- ISR Flux verified (8-Aug-2016)
- ISR Endstation construction complete (24-Mar-2017)

The endstations for ISR include:

1. Base Diffractometer #1, featuring an instrumented six-circle diffractometer
2. Base Diffractometer #2, featuring a two-circle diffractometer and translation stages accommodating large high-field magnets
3. Base Diffractometer #3, featuring KB focusing mirrors and a gas handling system to support x-ray scattering measurements of in-situ modification and growth

ISR beamline scope was verified at the NEXT Scope Verification Review held 27-28 February 2017 and completion has been documented via WBS Closeout Acknowledgments.

The purpose of this memo is to report this status and request your acknowledgment that the NSLS-II Facility has accepted the ISR photon delivery system and endstations into its operating portfolio.

  
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Steve Hulbert, NEXT Project Manager

*28 April 2017*  
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Date

Cc: E. Johnson, J. Hill